

Test case type PRM-25

Reference testing device for testing and calibrating tire inflation gauges

Features / special features:

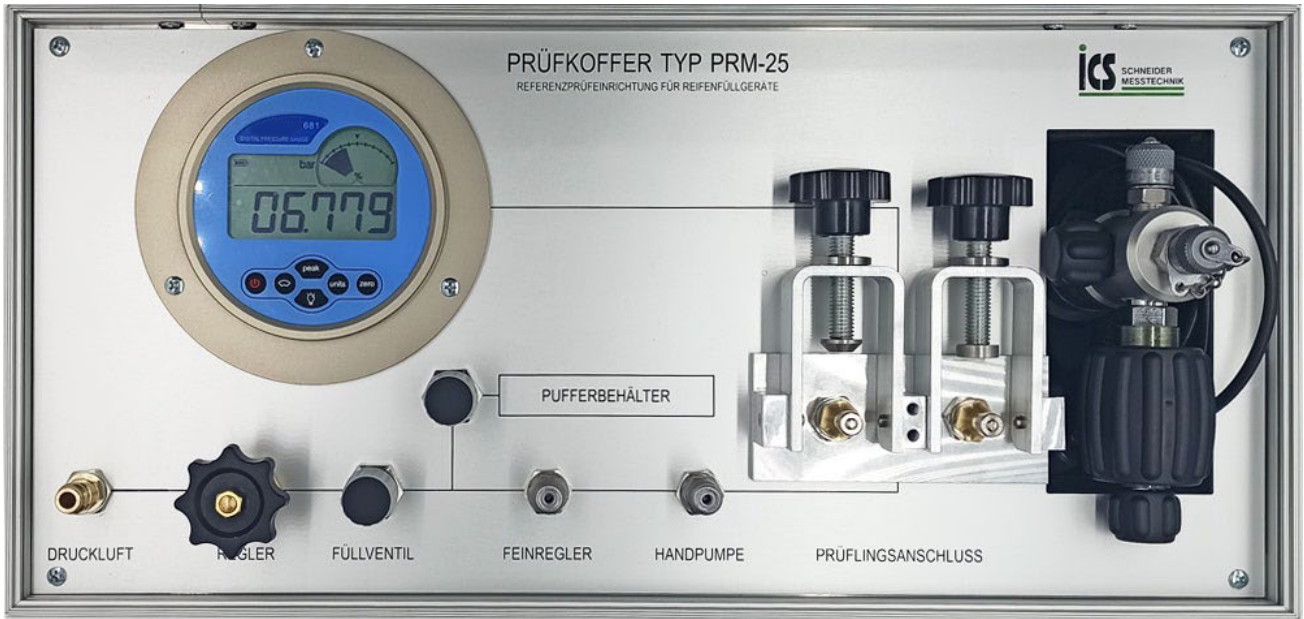
- Simultaneous testing of two tire inflation gauges (manometers) possible
- Integrated precision calibration hand pump ICP 40.2 for pressure generation up to 40 bar - if no compressed air is available on site
- Integrated compressed air tank (2 litres), which can serve both as a buffer and as a compressed air reservoir if there is no compressed air supply on site (incl. filling valve)
- The test pressure can be set very precisely to 0.001 bar using a needle valve and volume adjuster
- With optional filter for external air



A mobile precision calibration hand pump -1 ... 0 ... +40 bar with fine volume regulator and venting option for simple and precise pressure generation and a separate fine volume regulator for fine adjustment of the test pressure (therefore independent of external compressed air supply) are built into the test case.

An external air supply can be connected via a compressed air quick coupling, type Rectus 7.2, with an optional upstream filter and fine pressure regulator.

The internal buffer tank can also be switched on here. A precise pressure fine adjustment is guaranteed with the fine regulator.



Front panel without mounted fine controller



pressure gauge



temperature display



DUT connection



Filter

Technical specifications:

measuring instrument	Precision digital pressure gauge	
	accuracy	0,1% v. E. (standard) 0,05 % v. E. (optional)
	measuring ranges	10, 20 or 35 bar
	overload	2-times
	resolution	1 mbar
	display	5-digit backlit LCD display (99,999 digits, 16 mm high) with bar graph display and temperature measurement

	units	freely selectable in bar, mbar, kPa, mPa, kg/cm ² , mmH ₂ O, cmH ₂ O, PSI etc.
	nominal size	∅ 110 mm
	material measuring system	316L stainless steel
	material housing	Aluminium
	protection class	IP65
	EMV	immunity to interference EN50082-1, jamming after EN 50022
	temperature compensation	-10 ... +50°C
	operating temperatur	-10 ... +50°C
	storage temperature	-20 ... +70°C
	Additional functions	<ul style="list-style-type: none"> • Measurement rate, damping and averaging selectable • Warning display for exceeding the measuring range • integrated calibration routine • Min and Max memory
	power supply	1 x battery type block 9 V (>= 320-600 hours operating time) / with autom. Shutdown (1, 5, 15, 30 min. adjustable) and battery capacity indicator
connections	DUT connections	2 x Airfix (tire valve) with clamp
	Connection for hand pump	Quick coupling Minimes 1215
	external air inlet	Rectus 7.2 quick coupling / with optional filter
compressed air storage	2 liters installed including fine regulator for precise pressure specification (filling is multiple exams)	
precision calibration hand-Pump ICP 40.2	for pressure specification (if no compressed air connection is available) Incl. Minimes 1215 hose, 1 m long	
Dimensions (WxHxD)	50 x 35 x 24 cm robust aluminum industrial case with carrying handle, lockable	
Weight	ca. 12 kg	

Options and accessories (not included):

- External power supply or battery or power bank
- Quick couplings, adapters, hoses
- Increased accuracy (0.05% of full scale) / high end (0.025% of full scale)
- Software for data transfer
- DAkkS calibration certificate or calibration certificate